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Bib Data Sheet

CONFIRMATION NO. 4026

SERIAL NUMBER 09/847,525	FILING DATE 05/01/2001 RULE	CLASS 424	GROUP ART UNIT 1645	ATTORNEY DOCKET NO. NB-2016.00
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APPLICANTS
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Rosario S. Castillo, San Diego, CA;
Qing Li, La Jolla, CA;
Venkata Ramana Doppalapudi, San Diego, CA;
Mark Stephen Hixon, San Diego, CA;
Thomas J. Lobl, Foster City, CA;

Drawing

**** CONTINUING DATA *******
THIS APPLN CLAIMS BENEFIT OF 60/201,642 05/02/2000

**** FOREIGN APPLICATIONS *******

IF REQUIRED, FOREIGN FILING LICENSE GRANTED SMALL ENTITY ****
** 08/15/2001

Foreign Priority claimed 35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance	STATE OR COUNTRY CA	SHEETS DRAWING 14	TOTAL CLAIMS 73	INDEPENDENT CLAIMS 3
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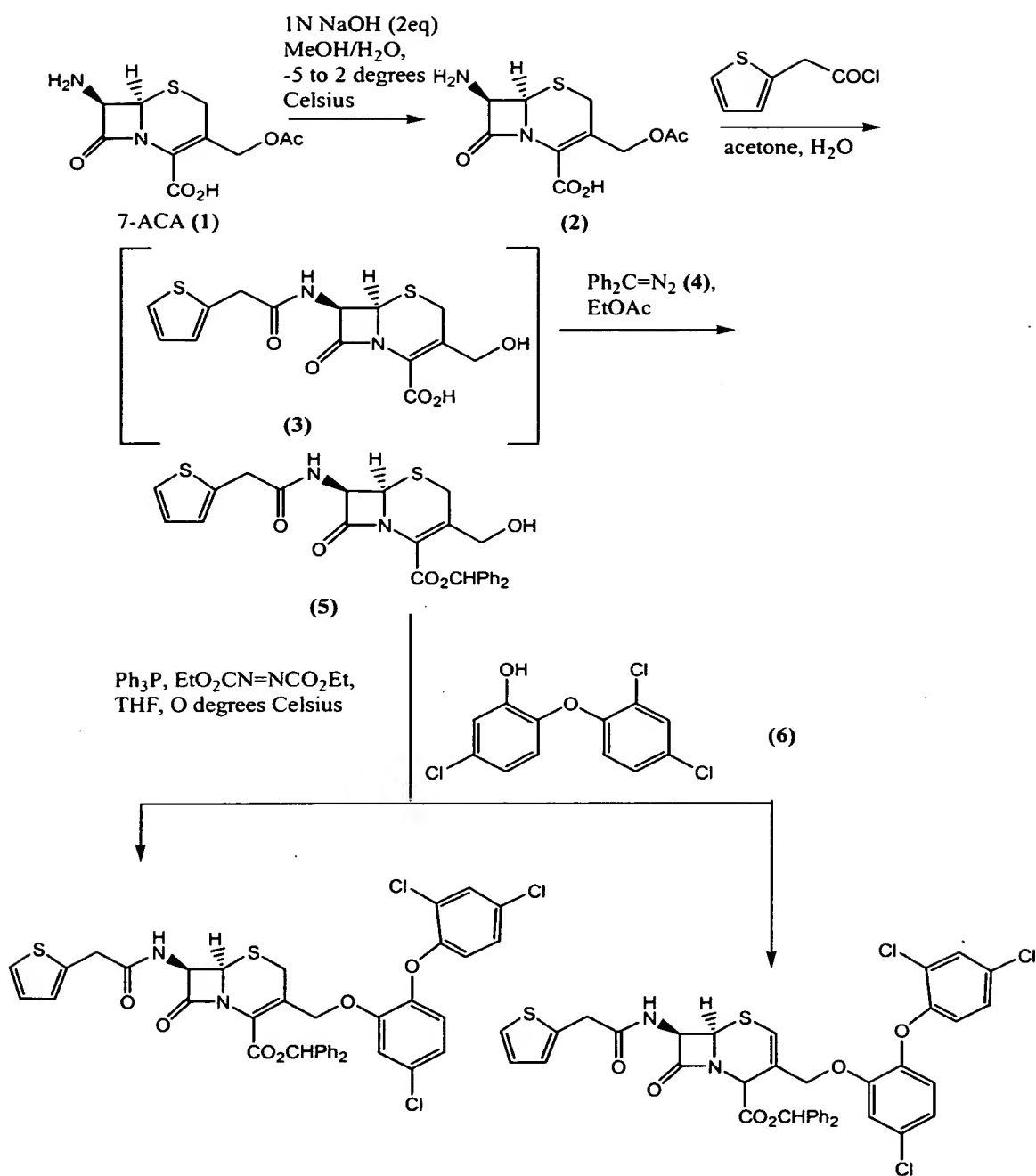
Verified and Acknowledged _____
Examiner's Signature _____ Initials _____

ADDRESS
022836

TITLE
Beta-lactam antibiotics

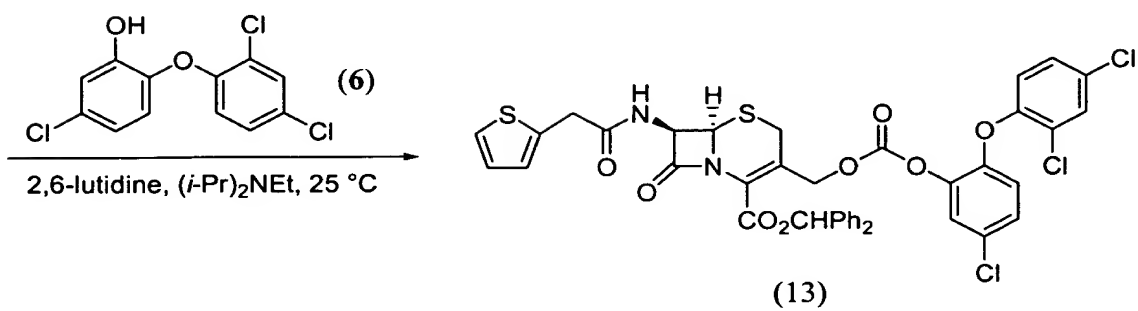
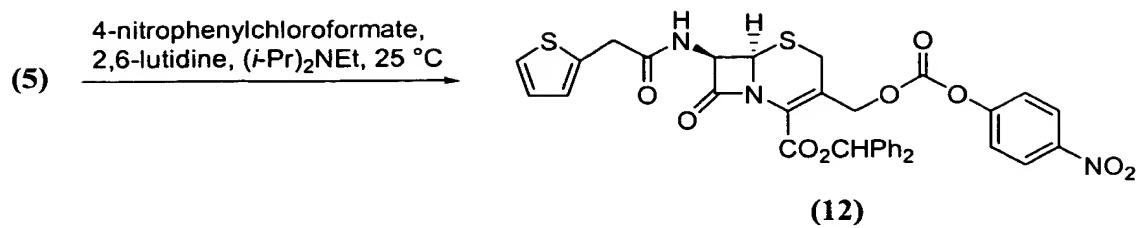
FILING FEE RECEIVED 912	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
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FIGURE 1



00047525, 050101

FIGURE 4



+

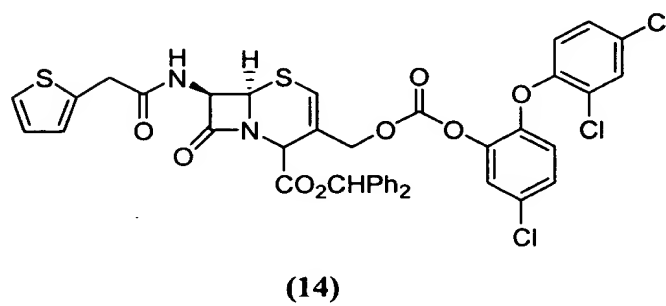


FIGURE 5

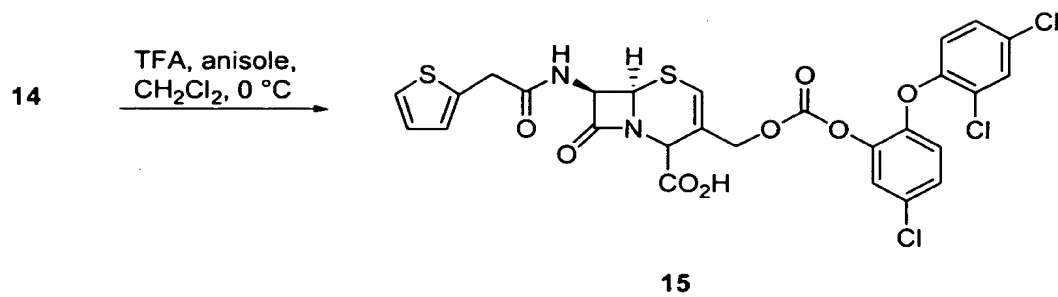


FIGURE 6

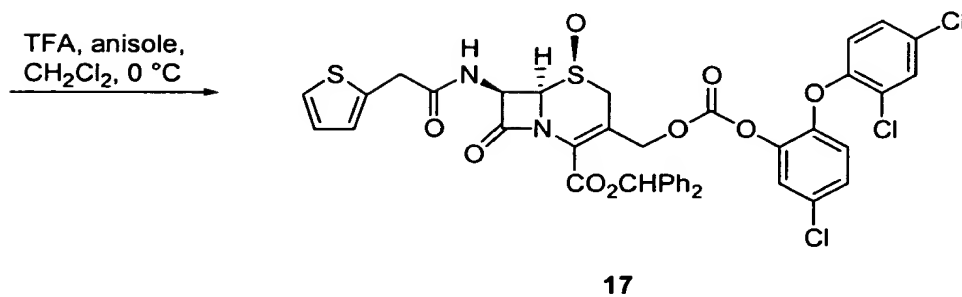
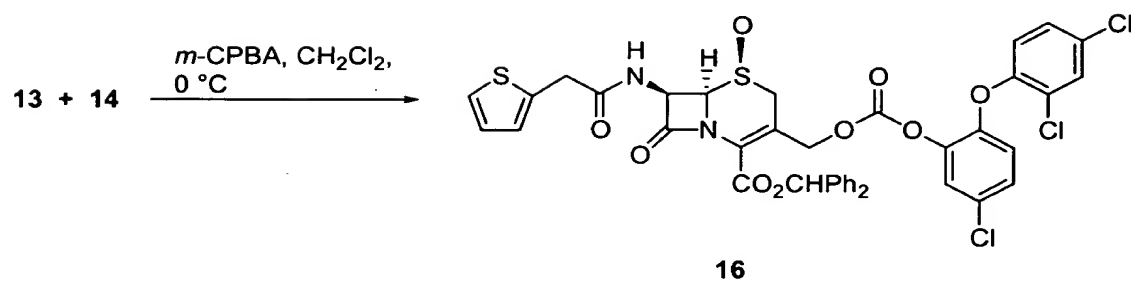
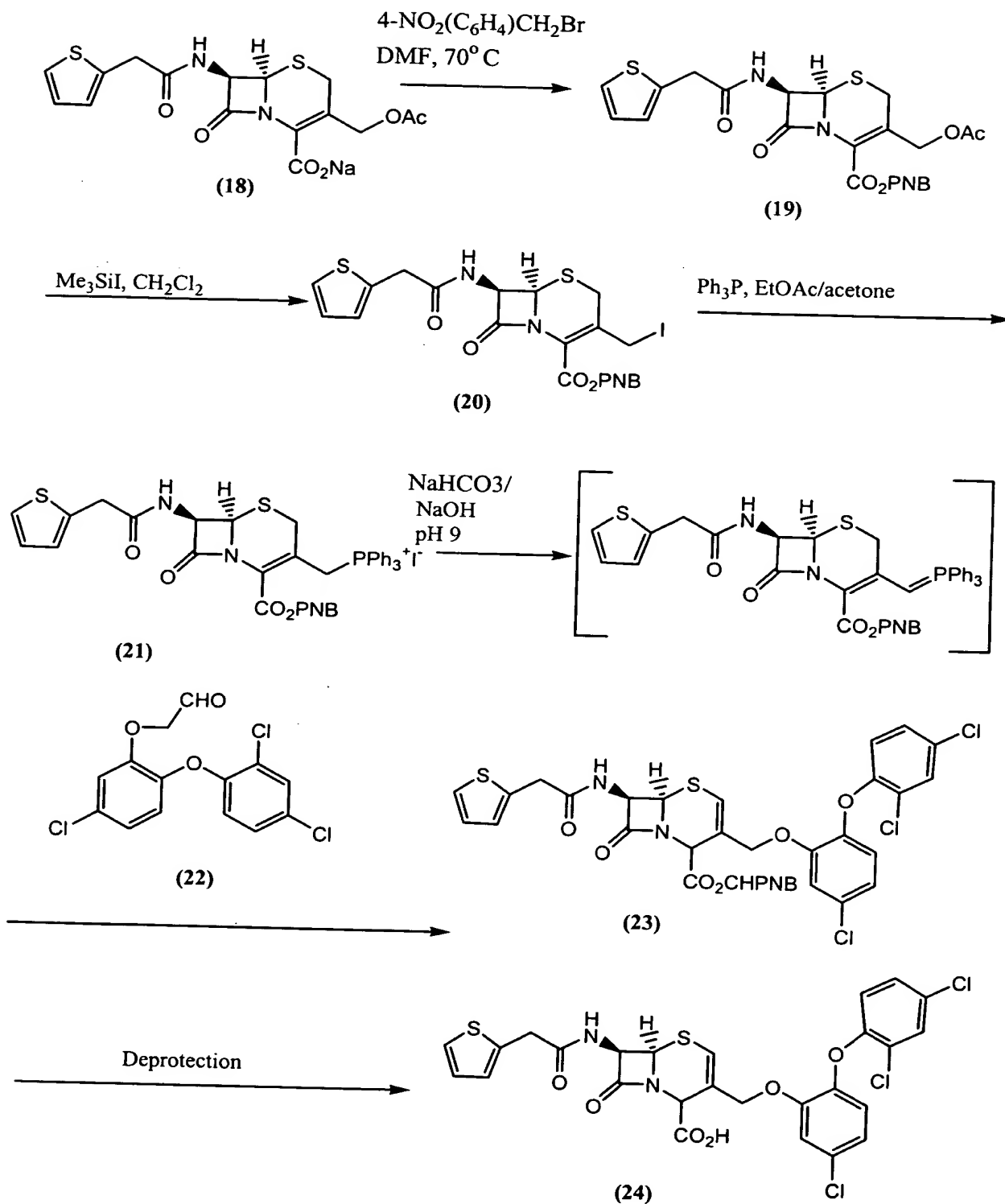


FIGURE 7



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FIGURE 8

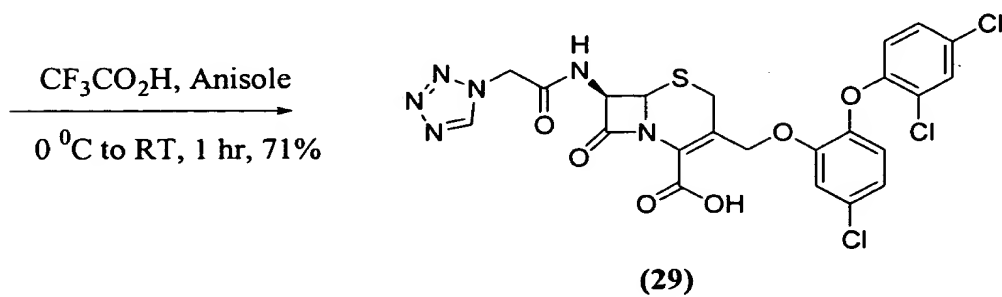
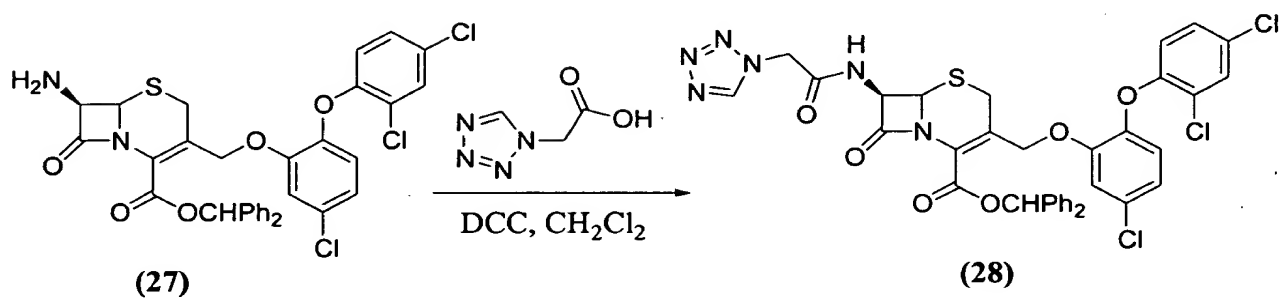
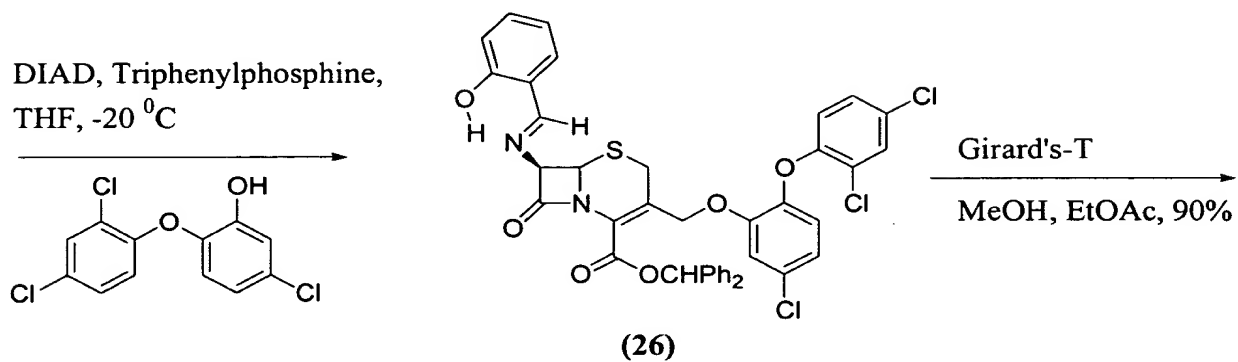
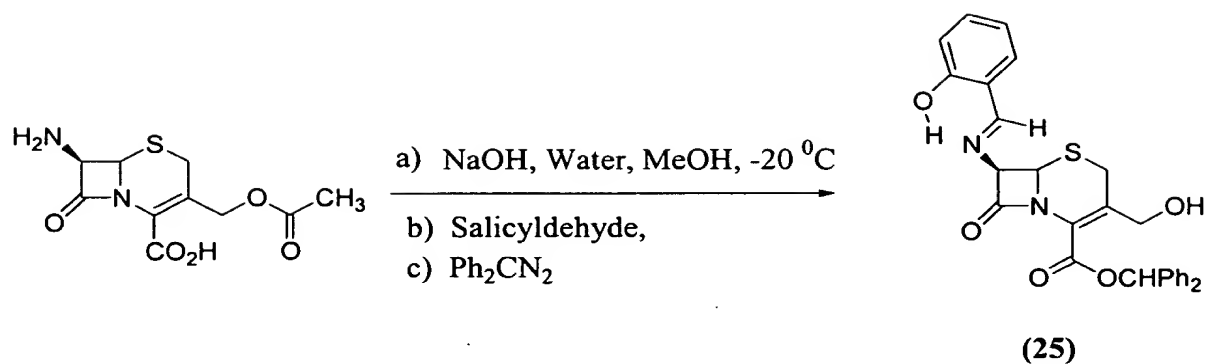


FIGURE 9

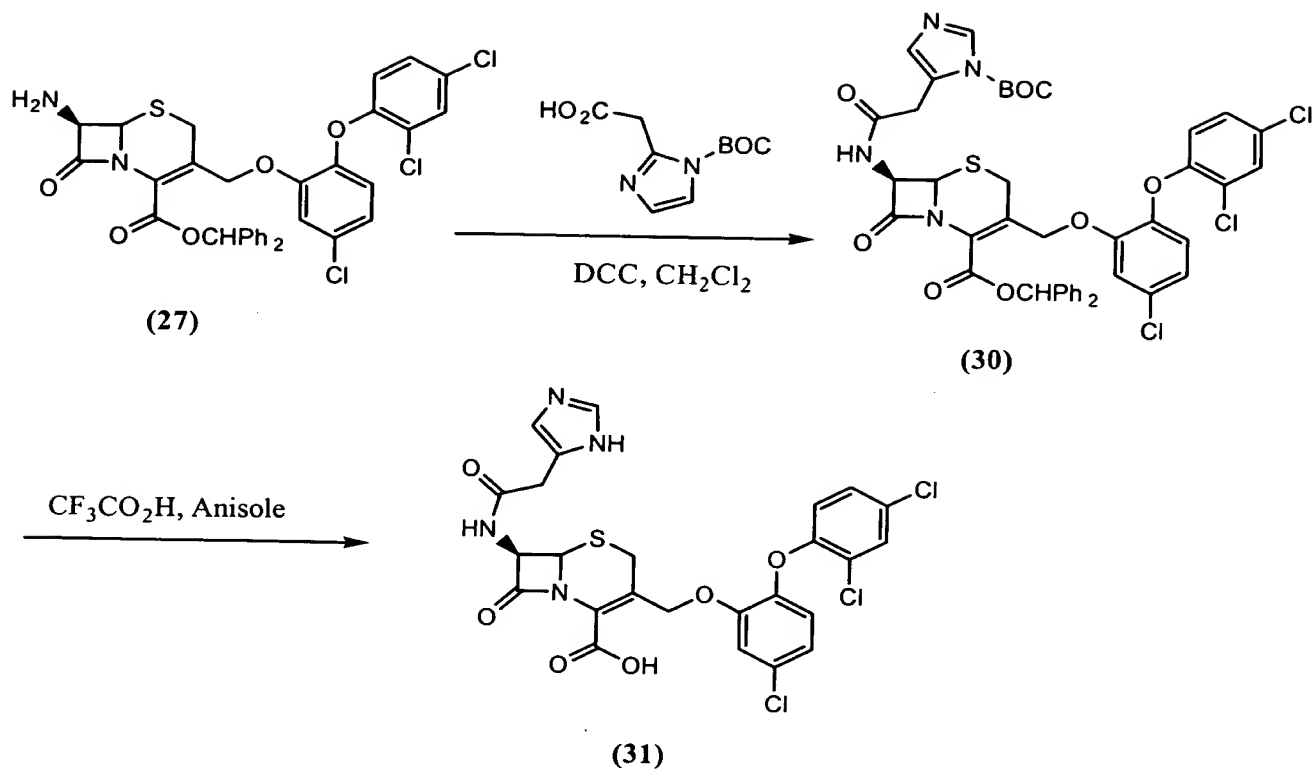


FIGURE 10

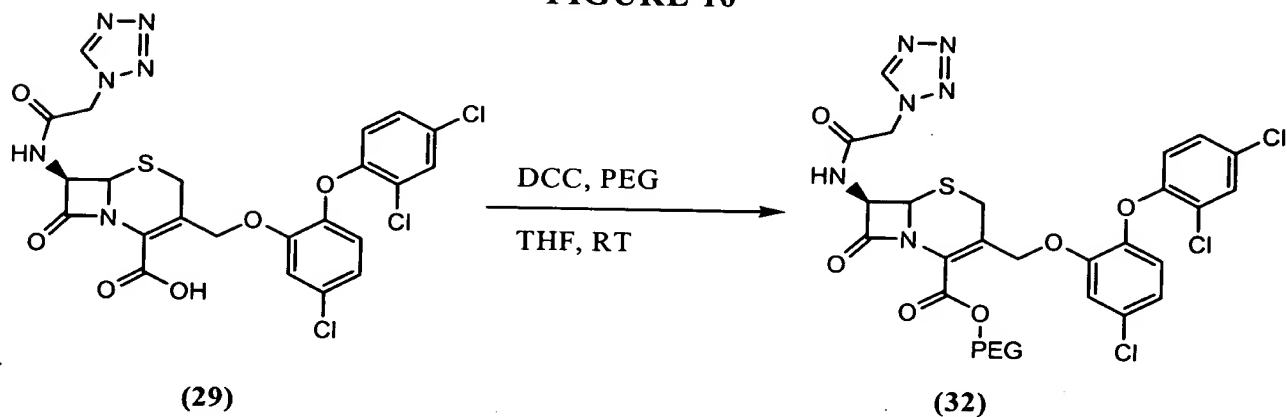
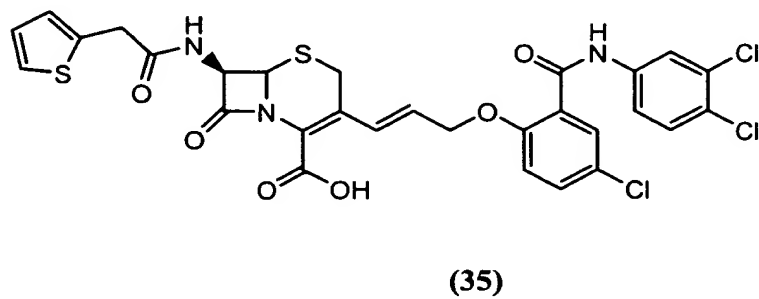
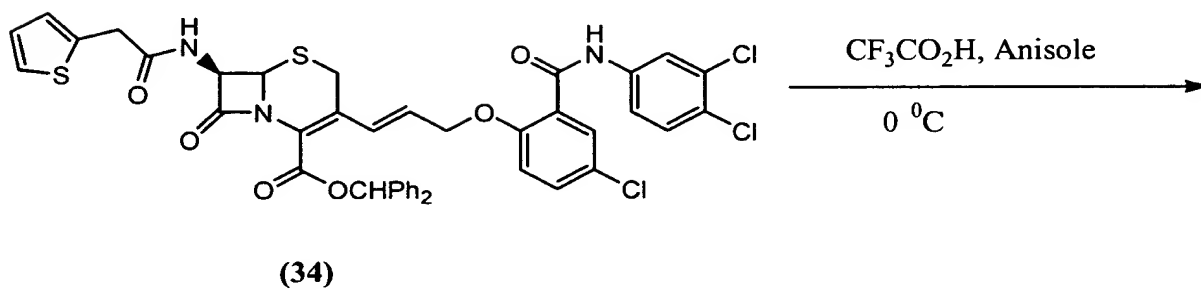
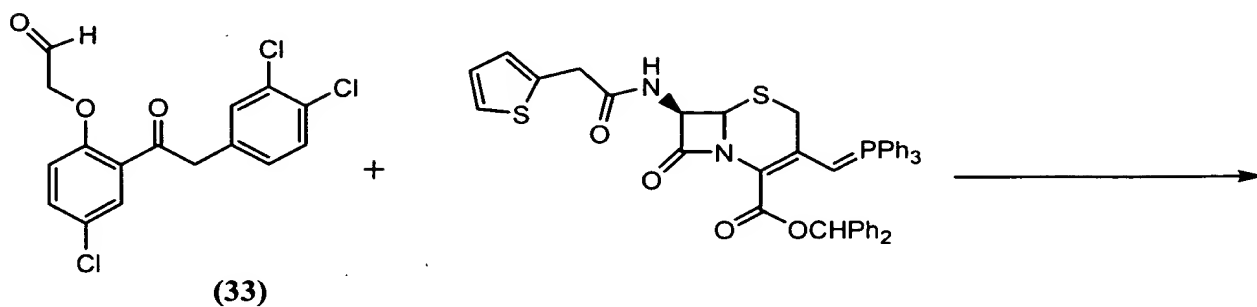
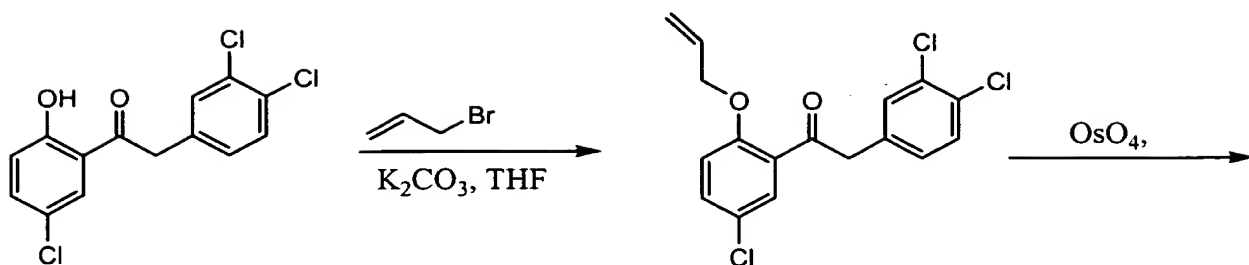
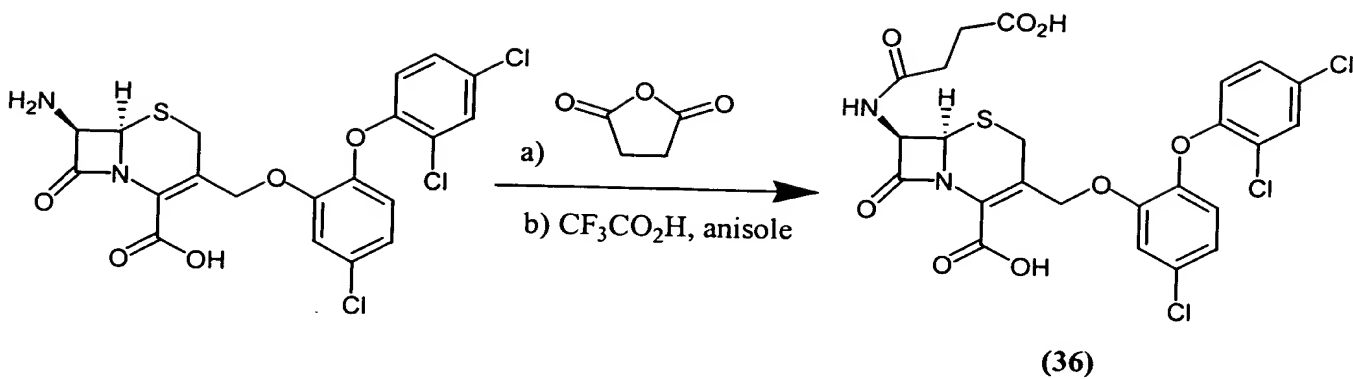


FIGURE 11



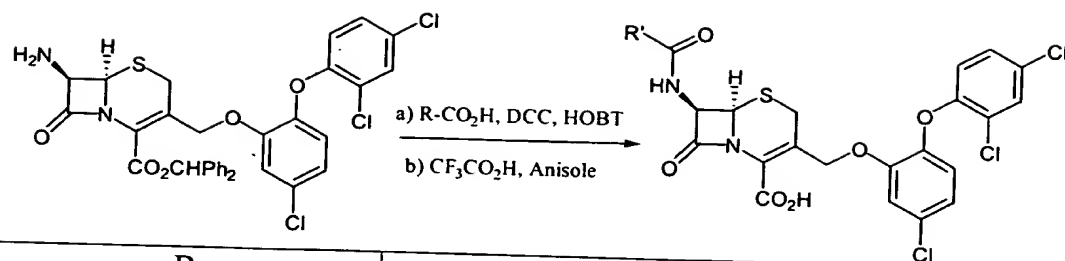
0947525-050104

FIGURE 12



R	R'	Compound
Ph-CH ₂ -	Ph-CH ₂ -	37
Ph-CH(NH ₂)-BOC	Ph-CH(NH ₂)-	38
		39
		40
		41
		42
		43
		44
CH ₃ -	CH ₃ -	45
HO-Ph-CH ₂ -	HO-Ph-CH ₂ -	46

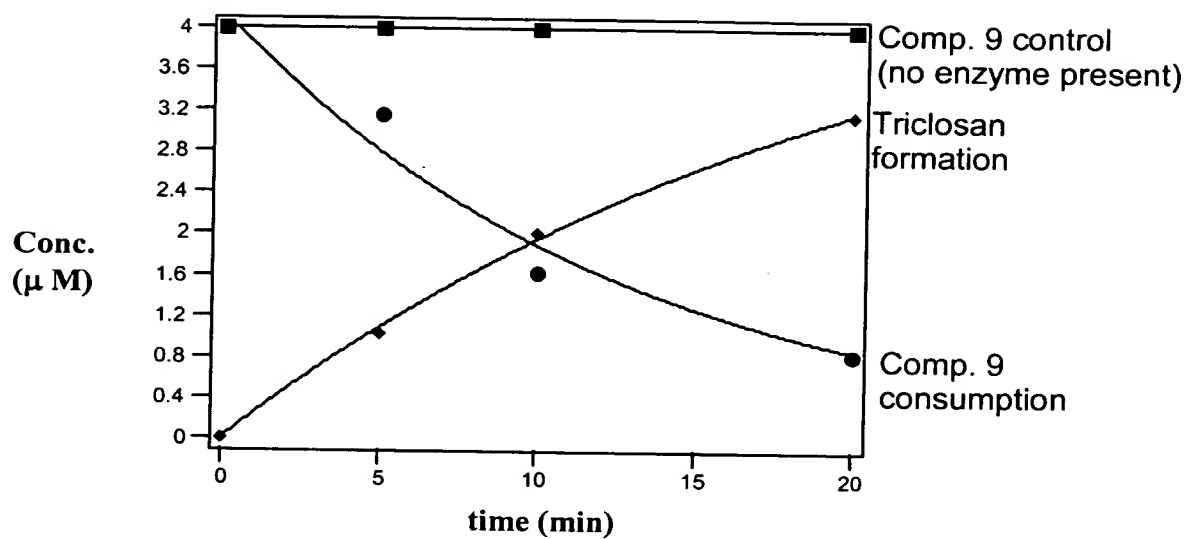
FIGURE 13



R	R'	Compound
Ph-CH ₂ -	Ph-CH ₂ -	37
Ph-CH(NH ₂)-BOC	Ph-CH(NH ₂)-	38
		39
		40
		41
		42
		43
		44
CH ₃ -	CH ₃ -	45
HO-Ph-CH ₂ -	HO-Ph-CH ₂ -	46
		47

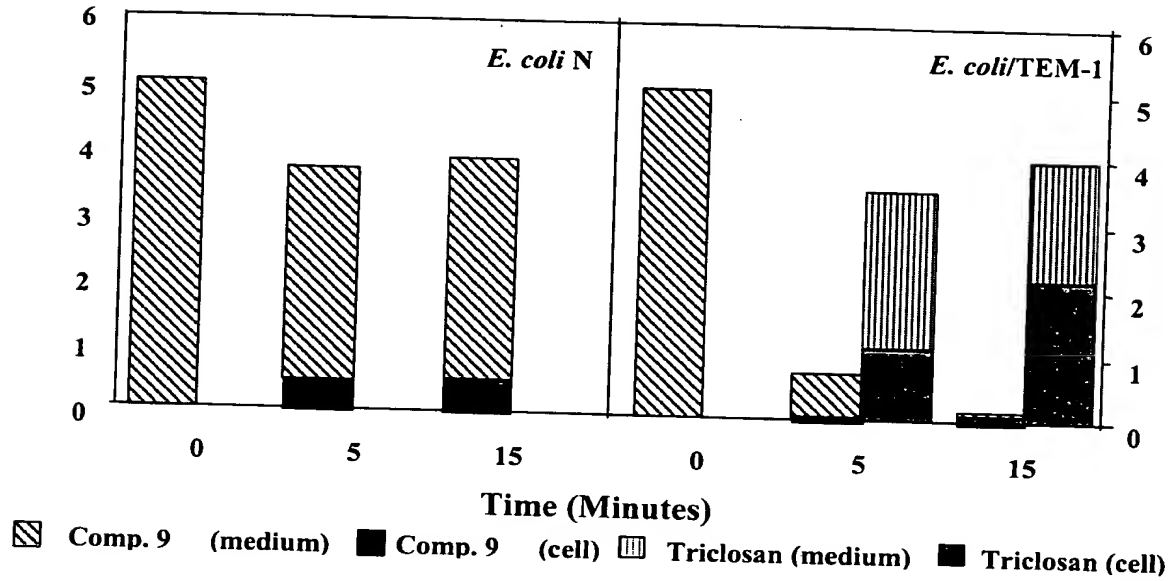
09847525-050101

FIGURE 14



TEM-1 β -lactamase (12.5 nM) catalyzed hydrolysis of Comp. 9
100 mM K-phosphate buffer pH 7.2 with 1 mM EDTA

FIGURE 15



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T0T050-5254860

FIGURE 16

Bactericidal activity of Comp (9) vs. *S. aureus*

